

Notice of Allowability

Application No.

09/314,819

Examiner

AHMED ELALLAM

Applicant(s)

LAROSA ET AL.

Art Unit

2668

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on 10/17/2005.
2. ☒ The allowed claim(s) is/are 5-7,9-12,15-20,24-26 and 32-37 respectively renumbered 1-14, 16-17, 15, and 18-22.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

 **HANH NGUYEN**
PRIMARY EXAMINER

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The prior art of records fails to teach or suggest the followings:

A method/apparatus for activating a radiotelephone operable in a spread-spectrum multiple access or CDMA slotted mode radiotelephone system in which at least a portion of a searcher receiver is activated and a demodulation branch is activated the method comprising (inter alias):

synchronizing the at least one demodulation branch to the at least a portion of the searcher receiver after activating at least one demodulation branch, activating a system timing unit after acquiring a PN sequence timing, and synchronizing the system timing unit to the at least one demodulation branch after synchronizing the at least one demodulation branch, as indicated in independent claims 5, 9 and 33.

An apparatus for operating a code division multiple access radiotelephone in a slotted paging mode, comprising (inter alias):

A system timing unit coupled to at least one demodulation branch, a control circuitry periodically activating the system timing unit substantially after each periodic activation of a searcher receiver, the control circuitry directing the system timing unit to synchronize relative to the PN sequence timing of the pilot signal after each periodic

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synchronization of the at least one demodulation branch, as indicated in independent claim 15.

A method activating a code division multiple access (CDMA) radiotelephone operating in a slotted paging mode of a CDMA cellular telephone system, in which at least a demodulation branch is activated after activating a searcher receiver, the method comprising (inter alias):

Activating the at least demodulation branch after acquiring a PN sequence timing of pilot signal, slewing a PN timing of the searcher receiver to the PN sequence timing of the pilot signal, synchronizing the at least one demodulation branch to the PN timing of the searcher receiver after slewing the PN timing of the searcher receiver, wherein synchronizing the at least one demodulation branch comprises parallel loading PN state information from the searcher receiver into the at least one demodulation branch, as indicated in independent claim 24.

A method activating a code division multiple access (CDMA) radiotelephone operating in a slotted paging mode of a CDMA cellular telephone system, in which at least a demodulation branch is activated after activating a searcher receiver, the method comprising (inter alias):

Activating the at least demodulation branch after acquiring a PN sequence timing of pilot signal, slewing a PN timing of the searcher receiver to the PN sequence timing of the pilot signal, synchronizing the at least one demodulation branch to the PN timing

of the searcher receiver after slewing the PN timing of the searcher receiver, activating a system timing unit after activation of the searcher receiver, and synchronizing the system timing unit to the at least one demodulation branch after slewing the PN timing of the searcher receiver, as indicated in independent claim 25.

A method of activating a radiotelephone in a slotted paging mode, the radiotelephone operable in a code division multiple access (CDMA) radiotelephone system, the method comprising (inter alias): programming a pseudorandom noise (PN) sequence awake state, activating at least a portion of a searcher receiver, loading the PN sequence awake state, incrementing at a first rate the PN sequence awake state to generate a local PN Sequence, detecting at least one pilot signal having an associated PN sequence, storing digital samples of the at least one pilot signal at the first rate, searching at a second rate for a pilot signal, the second rate faster than the first rate, activating a system timing unit after a step of slewing, activating at least one demodulation branch after the step of slewing, synchronizing a PN timing of the at least one demodulation branch to a PN sequence phase associated with the pilot signal after the step of slewing, and synchronizing a PN timing of a system timing unit to the PN sequence phase associated with the pilot signal after the step of synchronizing the PN timing of the at least one demodulation branch, as indicated in independent claim 36.

Conclusion

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2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AHMED ELALLAM whose telephone number is (571) 272-3097. The examiner can normally be reached on 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on (571) 272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AHMED ELALLAM
Examiner
Art Unit 2668
10/28/2005



HANH NGUYEN
PRIMARY EXAMINER